Express5800/120Bb-d6

SAN BLADE SERVER

Key Benefits

» Highly modular Blade system

» Industry leading design optimized for virtualization

» Reduced power consumption

Key Features

» Quad-Core Intel® Xeon® Processors

» Up to 96GB of Memory

» Two 1000Base-X Ports

» FC SAN Boot

Servers for Data Center Consolidation and Virtualization

IT managers are facing infrastructure challenges that include costs, energy, change and productivity. NEC Express5800 Blade servers provide a versatile infrastructure to quickly deliver services to your business. NEC Express5800 Sigmablade Servers systems contain server, storage and network components in a cost-effective design. The management of blade servers is far easier than traditional rack-mount servers, the density is greater and the power consumption much lower.

Empowered by Innovation **NEC**

HARDWARE SPECIFICATIONS

CPU

FSB	• 1,333 MHz
Processors	• L5420 (2.50GHz), X5460 (3.16GHz)
L2 Cache	• 2x6MB per CPU
Number of CPU	• 1 (standard) – 2 (maximum)

Memory

Memory Type	• DDR2-667 FB-DIMM with ECC
Maximum	• 48GB (4GB x12)

Storage

Standard	• Diskless (No internal disk drives available)
2.5" Disk Bays	• 0 [0]
Mezzanine Slot	• Type-1 slot x1[1] Type-2 slot x1[1] (Type-1 supported)

SigmaBladeSystem – Blade Enclosures

SIGMABLADE-M

• Compact 6U chassis optimized to manage mid-sized systems
• Easy monitoring of each blade server operating status
• Better and easier cabling by using KVM switches

SIGMABLADE-H

• High density 10U architecture ideal for the enterprise
• High speed backplane providing maximum system performance

Network & Video

Network	• 1000BASE-X (connected to midplane) x2 • SUV Connector (Serial x1, VGA x1, USB x2) x1 (when SUV cable is connected)
Video	• Integrated into the chipset (2MB)

Deployment

Processor	L5420 (2.50GHz)	X5460 (3.16GHz)
Power Consumption (Maximum)		
per CPU Blade	337W(DC)	425W(DC)
SIGMABLADE-M	3,923W(AC)	4,772W(AC)
SIGMABLADE-H	8,210W(AC)	9,927W(AC)

Weight

Supported OS

• Microsoft® Windows Server™ 2003 R2 Standard / Enterprise Edition
• Microsoft Windows Server 2003 R2 Standard / Enterprise x64 Edition R2[1]
• Red Hat® Enterprise Linux® ES4 update3 (x86) / ES4.5 (EMT64T)[2]
• Red Hat Enterprise Linux AS4 Update3 (x86) / AS4.5 (EMT64T)[2]
• Red Hat Enterprise Linux 5[2]
• VMware® VI3 ESX v3.5 Foundation Edition
• VMware VI3 ESX v3.5 Standard Edition
• VMware VI3 ESX v3.5 Enterprise Edition

Accessories	NEC EXPRESSBUILDER (NEC ESMPRO/Manager, Agent), NEC DianaScope Bundled, Packing List, Startup Guide, MAC Address Seal x1

Operating Environment / Compliance

Environmental Specifications	• Operating Temperature: 10° to 35°C (50° to 95°F)
Compliance	FCC, C-Tick, BSMI (Taiwan), UL, CCC, EMI (Korea), China RoHS

[1] Not supported if clean-installed by DeploymentManager. (DeploymentManager is not bundled)
[2] On-board disk array is not supported by Linux.

Express5800

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